Coding Menggunakan *software* Eclipse:

Mainactivity.java (coding untuk tampilan login):

```
package com.bella.pengontrol_otomatis;

import android.app.Activity;

import android.os.Bundle;
import android.os.CountDownTimer;
import android.app.Activity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends Activity {
    JSONParser jParser = new JSONParser();
    ProgressDialog pDialog;
    CountDownTimer ctr;
    public static String TAG_SUCCESS = "success";
    public static String TAG_PRODUCT = "product";
    EditText username;
    EditText password;
    Button btnLogin;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        username = (EditText)findViewById(R.id.TxtUser);
        password = (EditText)findViewById(R.id.TxtPass);
        btnLogin =  (Button)findViewById(R.id.BtnLogin);
        btnLogin.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                if      (username.getText().toString().equals("myhouse")      &&
password.getText().toString().equals("12345678")){
                    Intent a = new Intent(MainActivity.this,MenuUtama.class);
                    startActivity(a);

                }else{
```

```
                              Toast.makeText(MainActivity.this, "Salah Username & Password",
Toast.LENGTH_SHORT).show();
                     }
              }
       });

   }
}
```

MenuUtama.java (coding untuk tampilan kedua setelah login):

```java
package com.bella.pengontrol_otomatis;

import java.io.BufferedReader;
import java.io.Console;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.util.ArrayList;
import java.util.List;

import org.apache.http.HttpResponse;
import org.apache.http.NameValuePair;
import org.apache.http.client.HttpClient;
import org.apache.http.client.methods.HttpGet;
import org.apache.http.impl.client.DefaultHttpClient;
import org.apache.http.message.BasicNameValuePair;
import org.json.JSONException;
import org.json.JSONObject;

import com.bella.pengontrol_otomatis.JSONParser;

import android.R.string;
import android.app.Activity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.os.AsyncTask;
import android.os.Bundle;
import android.os.CountDownTimer;
import android.text.format.DateFormat;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.CompoundButton;
import android.widget.Switch;
import android.widget.Toast;
```

```java
public class MenuUtama extends Activity {
    JSONParser jParser = new JSONParser();
    ProgressDialog pDialog;
    public static String TAG_SUCCESS = "success";
    public static String TAG_PRODUCT = "product";
    Switch door;
    Switch lamp1;
    Switch lamp2;
    Switch lamp3;
    Switch lamp4;
    Button logout;
    String tujuan;
    String mylink;
    CountDownTimer cdt;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        super.onCreate(savedInstanceState);
        setContentView(R.layout.layar2);
        door = (Switch)findViewById(R.id.switch5);
        lamp1 = (Switch)findViewById(R.id.switch1);
        lamp2 = (Switch)findViewById(R.id.switch2);
        lamp3 = (Switch)findViewById(R.id.switch3);
        lamp4 = (Switch)findViewById(R.id.switch4);
        logout = (Button)findViewById(R.id.btnLogout);

        cdt = new CountDownTimer(3000,3000) {

            @Override
            public void onTick(long arg0) {
                // TODO Auto-generated method stub

            }

            @Override
            public void onFinish() {
                // TODO Auto-generated method stub
                door.setEnabled(true);
                lamp1.setEnabled(true);
                lamp2.setEnabled(true);
                lamp3.setEnabled(true);
                lamp4.setEnabled(true);
                logout.setEnabled(true);
                pDialog.dismiss();
            }
        };
```

```java
        logout.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent a = new Intent (MenuUtama.this,MainActivity.class);
                startActivity(a);

            }
        });

        lamp1.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {

            @Override
            public void onCheckedChanged(CompoundButton arg0, boolean arg1) {
                // TODO Auto-generated method stub
                tujuan = "led1";
                Log.e("switch1", String.valueOf(arg1));
                String data = arg1 ? "1" : "0";



                //kirim_data(data);
                new ubahSwitch().execute(data);

            }
        });
        lamp2.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {

            @Override
            public void onCheckedChanged(CompoundButton arg0, boolean arg1) {
                // TODO Auto-generated method stub
                tujuan = "led2";
                Log.e("switch2", String.valueOf(arg1));
                String data = arg1 ? "1" : "0";
                //kirim_data(data);

                new ubahSwitch().execute(data);

            }
        });
        lamp3.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {

            @Override
```

```java
        public void onCheckedChanged(CompoundButton arg0, boolean arg1) {
            // TODO Auto-generated method stub
            tujuan = "led3";
            Log.e("switch3", String.valueOf(arg1));
            String data = arg1 ? "1" : "0";
            //kirim_data(data);
            new ubahSwitch().execute(data);


        }
    });
    lamp4.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {


        @Override
        public void onCheckedChanged(CompoundButton arg0, boolean arg1) {
            // TODO Auto-generated method stub
            tujuan = "led4";
            Log.e("Switch4", String.valueOf(arg1));
            String data = arg1 ? "1" : "0";
            //kirim_data(data);
            new ubahSwitch().execute(data);
        }
    });
    door.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {


        @Override
        public void onCheckedChanged(CompoundButton arg0, boolean arg1) {
            // TODO Auto-generated method stub
            tujuan = "pintu";
            Log.e("switch5", String.valueOf(arg1));
            String data = arg1 ? "1" : "0";
//          kirim_data(data);
            new ubahSwitch().execute(data);


        }
    });
    }
//  void kirim_data(String data){
//  mylink = "http://192.168.4.1/?"+tujuan+"="+data;
//  Log.e("link", mylink);
//      HttpAsyncTask hat = new HttpAsyncTask();
//      hat.execute(mylink);
//}

    class ubahSwitch extends AsyncTask<String, String, String> {
        String status = "0";
```

```java
        @Override
        protected void onPreExecute() {
            // TODO Auto-generated method stub
            super.onPreExecute();
            door.setEnabled(false);
            lamp1.setEnabled(false);
            lamp2.setEnabled(false);
            lamp3.setEnabled(false);
            lamp4.setEnabled(false);
            logout.setEnabled(false);
            pDialog = new ProgressDialog(MenuUtama.this);
            pDialog.setTitle("Mencoba Ubah Button");
            pDialog.setIndeterminate(false);
            pDialog.setCancelable(true);
            pDialog.show();
    }


    @Override
    protected String doInBackground(String... params) {
        // TODO Auto-generated method stub

        String URLLogin;
        ConnectionClass con = new ConnectionClass("");
        URLLogin = con.getConn();
        int success;
        String date = (DateFormat.format("dd-MM-yyyy hh:mm:ss",
                new java.util.Date()).toString());

        try {
            List<NameValuePair> param1 = new ArrayList<NameValuePair>();
            // param1.add(new BasicNameValuePair("imei", imei));
            param1.add(new BasicNameValuePair(tujuan, params[0]));
            JSONObject json = jParser.makeHttpRequest(URLLogin, "GET",
                    param1);
//          success = json.getInt(TAG_SUCCESS);
//          if (success == 1) {
                // JSONArray jArray=json.getJSONArray(TAG_PRODUCT);
                // nama_toko = new String[jArray.length()];
                // for(int i=0;i<jArray.length();i++)
                // {
                // JSONObject jObject=jArray.getJSONObject(i);
                // nama_toko[i]=jObject.getString("nama");
                //
                // }
                // JSONArray jArray=json.getJSONArray(TAG_PRODUCT);
                // JSONObject jObject=jArray.getJSONObject(0);
```

```java
//                    status = "1";
//                } else {
//                    status = "0";
//                }

            } catch (Exception e) {
                e.printStackTrace();
            }

            return null;
        }


        @Override
        protected void onPostExecute(String result) {
            cdt.start();
            // TODO Auto-generated method stub
            // if (status.equals("1")) {
            // pDialog.dismiss();
            // Toast.makeText(MenuUtama.this, "Sukses Merubah SWITCH",
            // Toast.LENGTH_LONG).show();
            //
            // // Toast.makeText(FullscreenActivity.this,
            // // "absen cuy latitude = " +
            // // String.valueOf(latitude)+" longitude = " +
            // // String.valueOf(longitude), Toast.LENGTH_SHORT).show();
            //
            // // startActivity(myIntent);
            // } else {
            // pDialog.dismiss();
            // // decrypt="null";
            // Toast.makeText(MenuUtama.this, "Tidak Merubah SWITCH",
            // Toast.LENGTH_LONG).show();
            // }
        }

    }


//private class HttpAsyncTask extends AsyncTask<String, Void, String> {
//
//    @Override
//    protected String doInBackground(String... urls) {
//
//        return httpRequestResponse(urls[0]);
//    }
//
//    // onPostExecute displays the results of the AsyncTask.
//    @Override
```

```java
//   protected void onPostExecute(String result) {
//
//   }
//}
//
//// For HttpAsync Functions: sending requests and receiving responses
//public static String httpRequestResponse(String url) {
//   InputStream inputStream = null;
//   String result = "";
//   try {
//        // create HttpClient
//        HttpClient httpclient = new DefaultHttpClient();
//
//        // make GET request to the given URL
//        HttpResponse httpResponse = httpclient.execute(new HttpGet(url));
//
//        // receive response as inputStream
//        inputStream = httpResponse.getEntity().getContent();
//
//        // convert InputStream to string
//        if (inputStream != null)
//            result = convertInputStreamToString(inputStream);
//        else
//            result = "InputStream did not work";
//
//   } catch (Exception e) {
//        Log.d("InputStream", e.getLocalizedMessage());
//   }
//
//   return result;
//}
//
//private static String convertInputStreamToString(InputStream inputStream)
//        throws IOException {
//   BufferedReader bufferedReader = new BufferedReader(
//            new InputStreamReader(inputStream));
//   String line = "";
//   String result = "";
//   while ((line = bufferedReader.readLine()) != null)
//        result += line;
//
//   inputStream.close();
//   return result;
//}
```